

Forklift Water Pumps

Forklift Water Pump - The water pump is attached to the crankshaft of the engine. It is a basic centrifugal pump that is driven by a belt that is attached to the crankshaft. If the engine is running, the pump circulates fluid.

Utilizing centrifugal force, the water pump sends water to the outside while it spins causing the fluid to be constantly drawn from the center of the pump. The pump inlet is placed near the center. This particular design allows fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically located to fling the fluid outside of the pump so it goes in the engine.

The fluid initially flows throughout the cylinder head and engine block previous to going out of the pump. The fluid then travels into the radiator before finally coming back to the pump.